

Application No. 09/833,465
Reply to Office Action dated July 15, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-21. (Canceled)

22. (Currently Amended) A radio frequency identification and control ~~device~~ system for tracking and controlling an operable object in response to interrogation and control signals from a remote radio frequency identification (RFID) interrogator, the ~~device-system~~ comprising:

a receiver circuit formed inside the operable object and configured to ~~simultaneously receive~~ on different frequencies the interrogation signals and the control signals and return a modulated radio frequency signal by continuous-wave backscatter in response thereto, the receiver circuit adapted ~~to be coupled to the object and to render the object inoperable in response to the disable signal, the receiver circuit comprising a receiving antenna that at least a portion of which comprises the operable object.~~

23. (Original) The device of claim 22, wherein the receiver circuit is configured to render the receiver circuit and the object permanently inoperable in response to the disable signal.

24. (Original) The device of claim 23, wherein the receiver circuit is configured to return radio frequency signals in response to the interrogation signals that comprise data regarding the operational status of the object.

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25. (Original) The device of claim 22, wherein the receiver circuit is configured to enable operation of the object in response to an enable signal from the remote RFID interrogator.

26. (Canceled)

27. (Currently Amended) The device of claim 22, wherein the ~~receiver circuit comprises a receiving antenna that is formed entirely from the operable object.~~

28. (Original) The device of claim 22, wherein the receiver circuit comprises a passive circuit that is powered by the interrogation signals from the interrogator.

29. (Original) The device of claim 22, wherein the receiver circuit is battery-powered and comprises an active transmitter circuit.

30. (Currently Amended) A radio frequency identification and control system, comprising:

a weapon; and

a radio frequency identification (RFID) device formed internal to the weapon and coupled to the weapon, the RFID device comprising an antenna that at least a portion of which is formed by the weapon, the RFID device configured to return a modulated continuous-wave backscattered radio frequency signal in response to remote interrogation signals received at a first frequency and to control operation of the weapon in response to remote control signals received at a second frequency.

31. (Original) The system of claim 30, comprising a remote interrogator configured to generate the interrogation signals and the control signals and to receive the return radio-frequency signals.

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32. (Original) The system of claim 31, wherein the RFID device is configured to permanently disable the weapon in response to control signals from the interrogator.

33. (Original) The system of claim 31, wherein the RFID device is configured to enable operation of the weapon in response to control signals from the interrogator.

34. (Original) The system of claim 31, wherein the RFID device is configured to utilize the modulated continuous-wave backscattered radio frequency signals to transmit data regarding operational status of the weapon.

35. (Original) The system of claim 31, wherein the RFID device is battery powered and is configured to transmit signals to the interrogator.